



# I22R1 Polyclonal Antibody

<b>Catalog No</b>	BYab-06792
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	IL22RA1 IL22R
<b>Protein Name</b>	Interleukin-22 receptor subunit alpha-1 (IL-22 receptor subunit alpha-1) (IL-22R-alpha-1) (IL-22RA1) (Cytokine receptor class-II member 9) (Cytokine receptor family 2 member 9) (CRF2-9) (ZcytoR11)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	I22R1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	63kD
<b>Cell Pathway</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Specificity</b>	Expressed in colon, liver, lung, pancreas and kidney. No expression in immune cells such as monocytes, T-cells, and NK-cells. Expressed in keratinocytes of normal skin as well as in psoriatic skin lesion. Detected in normal blood brain barrier endothelial cells as well as in multiple sclerosis lesions; Strongly expressed on central nervous system vessels within infiltrated multiple sclerosis lesions. Overexpressed in synovial fluid cells from rheumatoid arthritis and spondyloarthropathy patients.
<b>Function</b>	function:Component of the receptor for IL20, IL22 and IL24. Component of IL22 receptor formed by IL22RA1 and IL10RB enabling IL22 signaling via JAK/STAT pathways. IL22 also induces activation of MAPK1/MAPK3 and Akt kinases pathways. Component of one of the receptor for IL20 and IL24 formed by IL22RA1 and IL20RB also signaling through STATs activation. Mediates IL24

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antiangiogenic activity as well as IL24 inhibitory effect on endothelial cell tube formation and differentiation.,induction:By interferon-gamma in keratinocytes.,miscellaneous:Failure of medical and surgical therapy in Chronic rhinosinusitis with nasal polyps is associated with decreased expression of IL22RA1.,similarity:Belongs to the type II cytokine receptor family.,similarity:Contains 2 fibronectin type-III domains.,subunit:Heterodimer with IL10RB and with IL20RB. IL22 binding to heterodimer is greater than binding to IL22

**Background**

The protein encoded by this gene belongs to the class II cytokine receptor family, and has been shown to be a receptor for interleukin 22 (IL22). IL22 receptor is a protein complex that consists of this protein and interleukin 10 receptor, beta (IL10BR/CRFB4), a subunit also shared by the receptor complex for interleukin 10 (IL10). This gene and interleukin 28 receptor, alpha (IL28RA) form a cytokine receptor gene cluster in the chromosomal region 1p36. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**